

What Is Claimed Is:

- 5 1. A system for providing a work-at-home telecommunication service, the system comprising:
 a service control point;
 a service switching point which receives a service-specific, vertical feature code and a dialed number from a calling party initiating a call,
10 the service switching point operative to suspend the call and to send a query to the service control point after receiving the vertical feature code and the dialed number, the query including the dialed number and a calling party identification number;
 wherein the service control point forms a response to the query
15 by translating the dialed number to form a called party identification number and by modifying the calling party identification number to an identification number of a group associated with the calling party;
 wherein the response includes the called party identification number, the calling party identification number, and a carrier identification code
20 which identifies a telecommunication carrier for the group associated with the calling party; and
 wherein the service switching point routes the call to the called party using the telecommunication carrier for the group.
- 25 2. The system of claim 1 wherein the dialed number includes a seven-digit number conforming to a standard dialing plan format.
- 30 3. The system of claim 2 wherein the service control point translates the seven-digit number by prefixing the seven-digit number with a predetermined string of digits.
4. The system of claim 1 wherein the dialed number includes a ten-digit number conforming to a standard dialing plan format.

- 5 5. The system of claim 1 wherein after receiving the dialed number, the service switching point receives an end-of-dialing indication from the calling party.
- 10 6. The system of claim 5 wherein the end-of-dialing indication includes a “#” dialed by the calling party.
- 15 7. The system of claim 1 wherein the service switching point receives a privacy access code prior to receiving the dialed number, and wherein the service control point restricts a passing of the calling party identification number to the called party in response thereto.
- 20 8. The system of claim 7 wherein the privacy access code includes “*67”.
- 25 9. The system of claim 1 wherein the service switching point creates a record of the call based upon the identification number of the group associated with the calling party included in the response.
- 30 10. The system of claim 1 wherein the calling party identification number includes an ANI number.
- 35 11. The system of claim 1 wherein a distinctive ring is provided at the called party to indicate that the call is associated with the work-at-home telecommunication service.
- 40 12. The system of claim 1 wherein the dialed number includes a private virtual network number.
- 45 13. The system of claim 1 wherein the call is routed upon receiving a predetermined personal identification number.

- 5 14. A method of providing a work-at-home telecommunication service, the method comprising the steps of:
- (a) receiving, from a calling party, a service-specific, vertical feature code and a dialed number to initiate a call;
- (b) suspending the call and sending a query to a service control point after receiving the vertical feature code and the dialed number, the query including the dialed number and a calling party identification number;
- (c) forming a response to the query using the service control point by translating the dialed number to a called party identification number and by modifying the calling party identification number to an identification number of a group associated with the calling party, the response including the called party identification number, the calling party identification number, and a carrier identification code which identifies a telecommunication carrier for the group associated with the calling party; and
- (d) routing the call to the called party using the telecommunication carrier identified by the carrier identification code.

15 15. The method of claim 14 wherein the dialed number includes a seven-digit number conforming to a standard dialing plan format.

25 16. The method of claim 15 wherein the service control point translates the seven-digit number by prefixing the seven-digit number with a predetermined string of digits.

30 17. The method of claim 14 wherein the dialed number includes a ten-digit number conforming to a standard dialing plan format.

35 18. The method of claim 14 further comprising a step of receiving an end-of-dialing indication from the calling party after receiving the dialed number.

35 19. The method of claim 18 wherein the end-of-dialing indication includes a "#" dialed by the calling party.

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20. The method of claim 14 further comprising the step of receiving a privacy access code prior to receiving the dialed number, and wherein the service control point restricts a passing of the calling party identification number to the called party in response thereto.

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21. The method of claim 20 wherein the privacy access code includes “*67”.

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22. The method of claim 14 further comprising the step of creating a record of the call based upon the identification number of the group associated with the calling party included in the response.

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23. The method of claim 14 wherein the calling party identification number includes an ANI number.

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24. The method of claim 14 further comprising the step of:
(e) providing a distinctive ring at the called party to indicate that the call is associated with the work-at-home telecommunication service

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25. The method of claim 14 wherein the dialed number includes a private virtual network number.

26. The method of claim 14 wherein the call is routed upon receiving a predetermined personal identification number.

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